

LIQUID CRYSTAL DISPLAY DEVICE

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Classification:

- international: **G09G3/36; G09G3/20; G09G3/34; G09G3/36;
G09G3/20; G09G3/34; (IPC1-7): G09G3/20; G09G3/34;
G09G3/36**

- **European:**

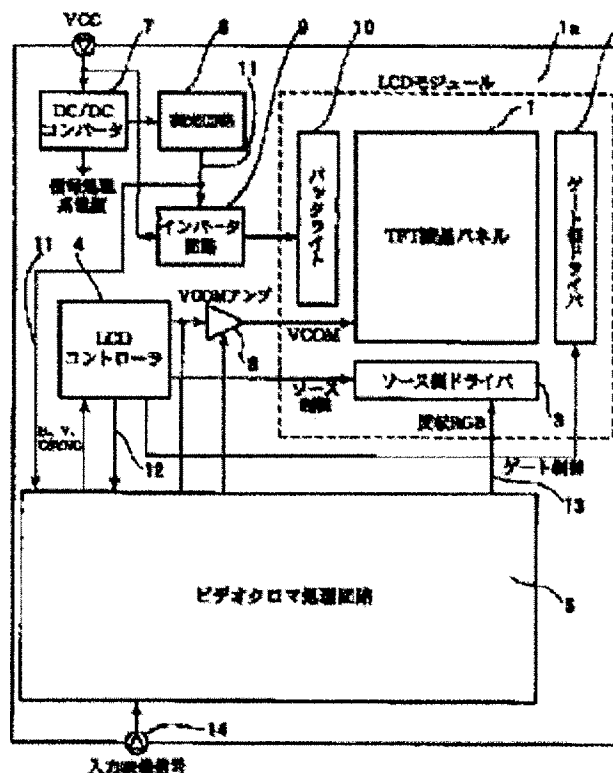
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Abstract of JP2000148072

PROBLEM TO BE SOLVED: To suppress deterioration in display quality by varying contrast of a picture linked with brightness adjustment of backlight, and thereby compensating apparent lowering in contrast when the brightness decreases. **SOLUTION:** A backlight 10 of a TFT liquid crystal display panel 1 is light-modulated by driving an inverter circuit 9 with light-modulating pulses from a light-modulating circuit 8. The light-modulating pulses are also supplied to a gain adjustment conversion circuit 5a in a video chroma processing circuit 5, and a video signal gain is increased as the on-off duty ratio of the pulses is decreased, and thereby the apparent lowering in contrast of a display picture is prevented when the brightness of the backlight decreases.



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